

Suisun Marsh Scenarios Evaluation Matrix- 5000' Breaches
Mean, Minimum, and Maximum Percent Change From Base on July 29, 1992 1/

Scenario		Morrow Is. SWH	Grizzly Is. SWH	Simmons Is SWH	Wheeler Is. SWH	Chippis Is. SWH	Van Sickle Is. SWH	
Evaluation Criteria	Percent Salinity Change From Base	Suisun Bay	4.5 (0.0,11.7)	3.0 (0.1,5.6)	2.2 (-0.1,5.3)	1.9 (-0.1,6.5)	1.1 (-0.2,6.0)	0.6 (-0.4,5.7)
		Western Marsh	5.5 (4.5,6.4)	5.9 (4.7,10.2)	-0.3 (-1.5,6.3)	1.6 (0.4,9.8)	0.8 (0.0,5.5)	1.0 (0.0,7.9)
		Eastern Marsh	4.1 (3.1,5.8)	6.0 (5.3,7.3)	3.4 (-0.9,9.1)	4.8 (0.9,10.3)	2.5 (0.3,5.8)	4.8 (1.6,8.2)
		West Delta	5.8 (4.6,6.4)	6.4 (4.4,7.4)	7.4 (3.4,8.5)	7.2 (2.2,8.2)	4.4 (0.8,5.2)	5.5 (-0.1,7.6)
		North Delta	0.8 (-0.5,4.6)	0.5 (-1.9,4.8)	1.2 (0.0,6.6)	1.4 (0.0,6.7)	1.0 (0.0,4.2)	0.7 (-1.9,5.8)
		South Delta	1.8 (-0.7,3.6)	1.2 (-1.4,3.4)	2.6 (-0.7,5.0)	3.0 (0.0,6.0)	1.9 (0.0,4.3)	1.7 (-1.4,5.1)
	X2 Difference From Base (KM) 2/	0.69	0.75	0.73	0.62	0.33	0.42	
	X2 Standard Differences(days) 3/	0/-1/-1	0/-1/-1	0/-1/-1	0/-1/-1	0/-1/0	0/0/0	
	Tidal Range Difference							
	Water Supply Reliability							
Habitat Conversion								

Scenario		Western Option TM	Northwest Option TM	Central Option TM	Northeast Option TM	1998 Flood Breach Locations	
Evaluation Criteria	Percent Salinity Change From Base	Suisun Bay	-0.1 (-0.6,0.2)	-0.1 (-0.5,0.1)	0.1 (-0.7,0.9)	-1.2 (-2.2,-0.1)	
		Western Marsh	3.8 (0.0,9.7)	6.4 (0.3,10.9)	11.9 (3.5,20.2)	-6.9 (-13.6,-0.3)	
		Eastern Marsh	-4.1 (-8.2,0.3)	-1.3 (-2.5,-0.2)	-1.0 (-14.0,11.3)	-1.3 (-28.9,22.5)	
		West Delta	-2.1 (-4.1,-0.4)	-1.1 (-1.8,-0.2)	-3.4 (-6.9,-0.3)	-3.1 (-7.1,-1.5)	
		North Delta	-2.3 (-6.7,0.0)	-0.8 (-2.4,0.0)	-3.8 (-11.5,1.8)	-4.6 (-13.6,0.0)	
		South Delta	-4.4 (-6.3,0.7)	-1.7 (-2.6,0.3)	-7.2 (-10.4,1.0)	-8.1 (-12.0,1.0)	
	X2 Difference From Base (KM) 2/	-0.33	-0.2	-0.58	-0.74		
	X2 Standard Differences(days) 3/	0/0/0	0/0/0	0/0/3	0/0/3		
	Tidal Range Difference						
	Water Supply Reliability						
	Habitat Conversion						

1/ Based on DWRDSM1 Suisun Marsh Version.

2/ Average February through May 1992 X2: Scenario minus Base Condition in km

3/ Number of days X2 is downstream of Port Chicago, Chippis Is., Collinsville: Scenario minus Base Condition in days